WHAT IS CLAIMED IS:

1   1.   A computing system in which a plurality of OSs run on

2   hardware of one computer, said computing system comprising:

3   management agents that are respectively executed on the OSs,

4   to manage said OSs;

5   a partitioning control unit that holds partition configuration

6   information indicating a relation between each OS and the hardware,

7   and controls allocation of the hardware to each OS; and

8   a hardware data collection unit that collects data on said

9   hardware;

10   wherein:

11   said computing system uses said partition configuration

12   information to perform hardware management for each OS.

1   2.   The computing system according to Claim 1, further

2   comprising:

3   management consoles for performing data collection, failure

4   data reception, and control of said computer on which a plurality of

5   OSs run.

1   3.   The computing system according to Claim 2, wherein:

2   when one of said management agents receives a request from

3   one of said management consoles for acquisition of hardware

4   configuration information, the management agent notifies said request

5   to said partitioning control unit;

6   the partitioning control unit, which has been notified of said

7   request, acquires the data on said hardware from said hardware data

8   collection unit, and extracts requested information on hardware using

9   said partition configuration information, to send said information

10 extracted to said management agent; and

11   said management agent notifies the information received from

12 said partitioning control unit to said management console.

1   4.   The computing system according to Claim 2, wherein:

2   when said hardware data collection unit detects an occurrence

3   of a failure in a piece of the hardware, the hardware data collection

4   unit notifies the failure data to said partitioning control unit;

5   said partitioning control unit notifies said failure data to

6   management agents corresponding to OSs allocated with said piece of

7   the hardware in which the failure has occurred; and

8   said management agents notified of said failure data, in turn,

9   notify said failure data to said management consoles.

1   5.   The computing system according to Claim 1, wherein:

2   when said hardware data collection unit detects an occurrence

3   of a failure in a piece of the hardware, the hardware data collection

4   unit notifies the failure data to said partitioning control unit;

5   said partitioning control unit notifies said failure data to

6   management agents corresponding to OSs allocated with said piece of

7   the hardware in which the failure has occurred; and

8   said management agents notified of said failure data control

9   software, based on the failure data notified.

1   6.   The computing system according to Claim 1, wherein:

2   when one of said management agents detects an occurrence of

3   a failure in software, said management agent notifies the failure data

4   to said partitioning control unit;

5   said partitioning control unit performs control of reallocation

6   of the hardware allocated to each OS, and/or performs activation

7   control for each OS, based on said failure data.

1   7.   A computing system in which a plurality of OSs run on

2   hardware of one computer, said computing system comprising:

3   an integrated management agent that is executed on a primary

4   OS to manage said computer;

5   software management agents that are respectively executed on

6   the OSs except for said primary OS, to manage software executed on

7   respective OSs concerned;

8   a partitioning control unit that holds partition configuration

9   information indicating a relation between each OS and the hardware,

10 and controls allocation of the hardware to each OS; and

11   a hardware data collection unit that collects data on said

12 hardware;

13 wherein:

14   said computing system uses said partition configuration

15 information to perform hardware management for each OS.

1   8.   The computing system according to Claim 7, further

2   comprising:

3   management consoles for performing data collection, failure

4   data reception, and control of said computer on which a plurality of

5   OSs run.

1   9.   The computing system according to Claim 8, wherein:

2   when said integrated management agent receives a request

3   from one of said management consoles for acquisition of hardware

4   configuration information, said integrated management agent notifies

5   said request to said partitioning control unit;

6   the partitioning control unit, which has been notified of said

7   request, acquires the data on said hardware from said hardware data

8   collection unit, and extracts requested information on hardware using

9   said partition configuration information, to send said information

10   extracted to said integrated management agent; and

11   said integrated management agent notifies the information

12   received from said partitioning control unit to said management

13   console.

1   10.   The computing system according to Claim 7, wherein:

2   when said hardware data collection unit detects an occurrence

3   of a failure in the hardware, the hardware data collection unit notifies

4   the failure data to said partitioning control unit;

5   said partitioning control unit notifies said failure data to said

6   integrated management agent; and

7   said integrated management agent controls software through

8   said software management agents, based on the failure data notified.

1   11.   The computing system according to Claim 7, wherein:

2   when one of said software management agents detects an

3   occurrence of a failure in software, said software management agent

4   notifies the failure data to said partitioning control unit;

5   said partitioning control unit performs control of reallocation

6   of the hardware allocated to each OS, and/or performs activation

7   control for each OS, based on said failure data.